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CONFIRMATION NO. 4948

|                                                                                                                                                                                                                                                                                                                       |                                                                                                                   |                                                     |                                                                                                                                                                                                                                                                                 |                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| <b>SERIAL NUMBER</b><br>10/691,359                                                                                                                                                                                                                                                                                    | <b>FILING OR 371(c) DATE</b><br>10/22/2003<br><b>RULE</b>                                                         | <b>CLASS</b><br>398                                 | <b>GROUP ART UNIT</b><br>2613                                                                                                                                                                                                                                                   | <b>ATTORNEY DOCKET NO.</b><br>5000-1-471 |
| <b>APPLICANTS</b><br>Gyu-Woong Lee, Suwon-shi, KOREA, REPUBLIC OF;<br>Sung-Kee Kim, Suwon-shi, KOREA, REPUBLIC OF;<br>Seong-Taek Hwang, Pyongtaek-shi, KOREA, REPUBLIC OF;<br>Yun-Je Oh, Yongin-shi, KOREA, REPUBLIC OF;                                                                                              |                                                                                                                   |                                                     |                                                                                                                                                                                                                                                                                 |                                          |
| <b>** CONTINUING DATA *****</b> <i>Now</i> <i>MRS</i>                                                                                                                                                                                                                                                                 |                                                                                                                   |                                                     |                                                                                                                                                                                                                                                                                 |                                          |
| <b>** FOREIGN APPLICATIONS *****</b> <i>Yes</i> <i>MRS</i><br>REPUBLIC OF KOREA 2003-31159 05/16/2003                                                                                                                                                                                                                 |                                                                                                                   |                                                     |                                                                                                                                                                                                                                                                                 |                                          |
| <b>IF REQUIRED, FOREIGN FILING LICENSE GRANTED</b><br><b>** 01/21/2004</b>                                                                                                                                                                                                                                            |                                                                                                                   |                                                     |                                                                                                                                                                                                                                                                                 |                                          |
| Foreign Priority claimed <input checked="" type="checkbox"/> yes <input type="checkbox"/> no<br>35 USC 119 (a-d) conditions <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after<br>met<br>Verified and <i>MRS</i><br>Acknowledged<br>Examiner's Signature Initials |                                                                                                                   | <b>STATE OR COUNTRY</b><br>KOREA,<br>REPUBLIC<br>OF | <b>SHEETS DRAWING</b><br>9                                                                                                                                                                                                                                                      | <b>TOTAL CLAIMS</b><br>9                 |
| <b>INDEPENDENT CLAIMS</b><br>1                                                                                                                                                                                                                                                                                        |                                                                                                                   |                                                     |                                                                                                                                                                                                                                                                                 |                                          |
| <b>ADDRESS</b><br>33942                                                                                                                                                                                                                                                                                               |                                                                                                                   |                                                     |                                                                                                                                                                                                                                                                                 |                                          |
| <b>TITLE</b><br>Duobinary optical transmission apparatus using a semiconductor optical amplifier                                                                                                                                                                                                                      |                                                                                                                   |                                                     |                                                                                                                                                                                                                                                                                 |                                          |
| <b>FILING FEE RECEIVED</b><br>770                                                                                                                                                                                                                                                                                     | FEES: Authority has been given in Paper<br>No. _____ to charge/credit DEPOSIT ACCOUNT<br>No. _____ for following: |                                                     | <input type="checkbox"/> All Fees<br><input type="checkbox"/> 1.16 Fees ( Filing )<br><input type="checkbox"/> 1.17 Fees ( Processing Ext. of time )<br><input type="checkbox"/> 1.18 Fees ( Issue )<br><input type="checkbox"/> Other _____<br><input type="checkbox"/> Credit |                                          |